

From: [Zehner, Warren](#)
To: [Susan Webster](#)
Cc: [Chris Petersen](#)
Subject: Malone bullets
Date: Friday, September 25, 2015 11:09:00 AM
Attachments: [Malone-Injection Well Summary Table-Week 11.pdf](#)

Here is the current summary that was sent to me by the Malone PRP group. I have come close the shutting down two times over summer. Site gets near completion and then get several inches of rain isolated to the coastal area and site is back to where it began.

1. Pump rate with two wells was 480,000 gallons per week. This has changed as of 09/23 when they started injecting in one well 24/7 because it can be operated unmanned. Will update injection rate when I inspect later today.
2. Estimated volume of contaminated contact water left at COB tomorrow is @ 2.25 million gallons. Estimating about 5 – 6 weeks to complete injection of current contaminated contact water assuming no more rain. Forecast is for heavy coastal rain for Sunday – Tuesday of next week so numbers can change.
3. This summer the Malone PRP group has completed a 6 million gallon water treatment/emergency capacity pond that is available for use as needed, so we would not be leaving them with no freeboard capacity if the ER is shutdown on 09/30. It is unknown how many days of capacity this equates to because freeboard is weather dependent.

From: Brian Moore [mailto:bmoore@projectnavigator.com]
Sent: Monday, September 21, 2015 11:37 AM
To: Zehner, Warren; Abshire, David
Cc: Bob Piniewski
Subject: Malone-EPA ER Injection Summary Week 11

Dear Warren and David,

We finally had an entire week with no rainfall but still have a large volume of water to inject. There is still approximately 3 million total gallons of contact water located in both APIs (2.5MM) and the stormwater impoundment (500K). At 480K gallons injected per week, we are still looking at 6.25 weeks with no evaporation reduction calculated.

Warren,

Our last conversation we discussed possibly closing the ER on 9/25 or 9/28. Due to the continued rainfall since your last site visit we will likely still have approximately 2.5 MM gallons to injected after this week. I would like to hear your thoughts on the continued injection through EPA ER beyond 9/28. Feel free to give me a call to discuss if needed. Are you still planning on a site visit this Friday, 9/25?



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Below please find a general weekly update discussing Injection under EPA ER at the Malone Service Superfund Site in Texas City, TX. Attached please find the injection summary table.

Monday 9/14/15- WDW-138: Contact water injection during working hours, WDW-73: Contact water injection during working hours, Rental transfer pump, re-connect electrical transfer pump

Tuesday 9/15/15- WDW-138: Contact water injection during working hours, WDW-73: Contact water injection during working hours,

Wednesday 9/16/15- WDW-138: Contact water injection during working hours, WDW-73: Contact water injection during working hours

Thursday 9/17/15- WDW-138: Contact water injection during working hours, WDW-73: Contact water injection during working hours

Friday 9/18/15- WDW-138: Contact water injection during working hours. WDW-73: Contact water injection during working hours

Saturday 9/19/15- WDW-138: Contact water injection during working hours. WDW-73: Contact water injection during working hours

Should you have any questions please let me know.

Kindest Regards,

Brian Moore

Construction Manager

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